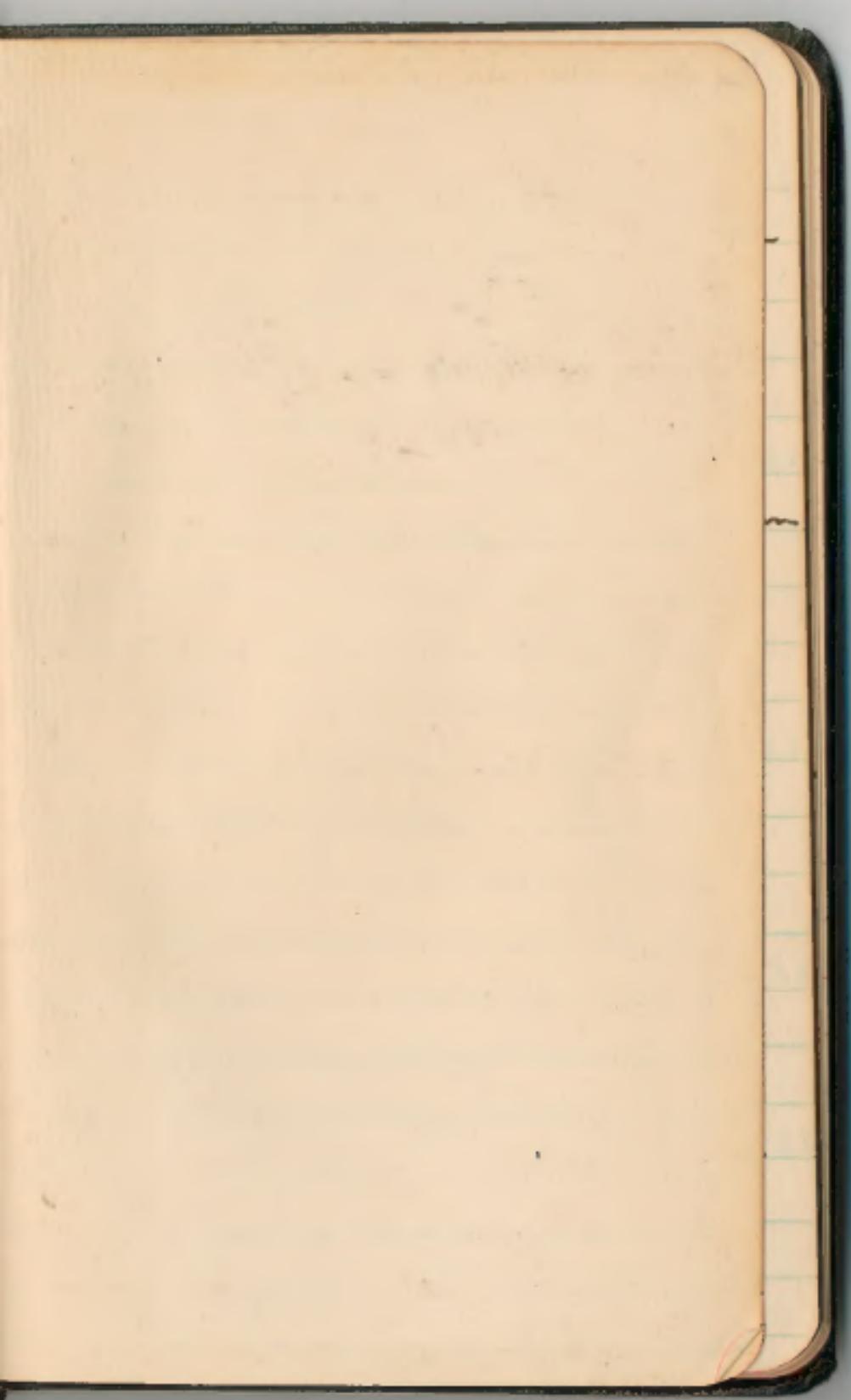
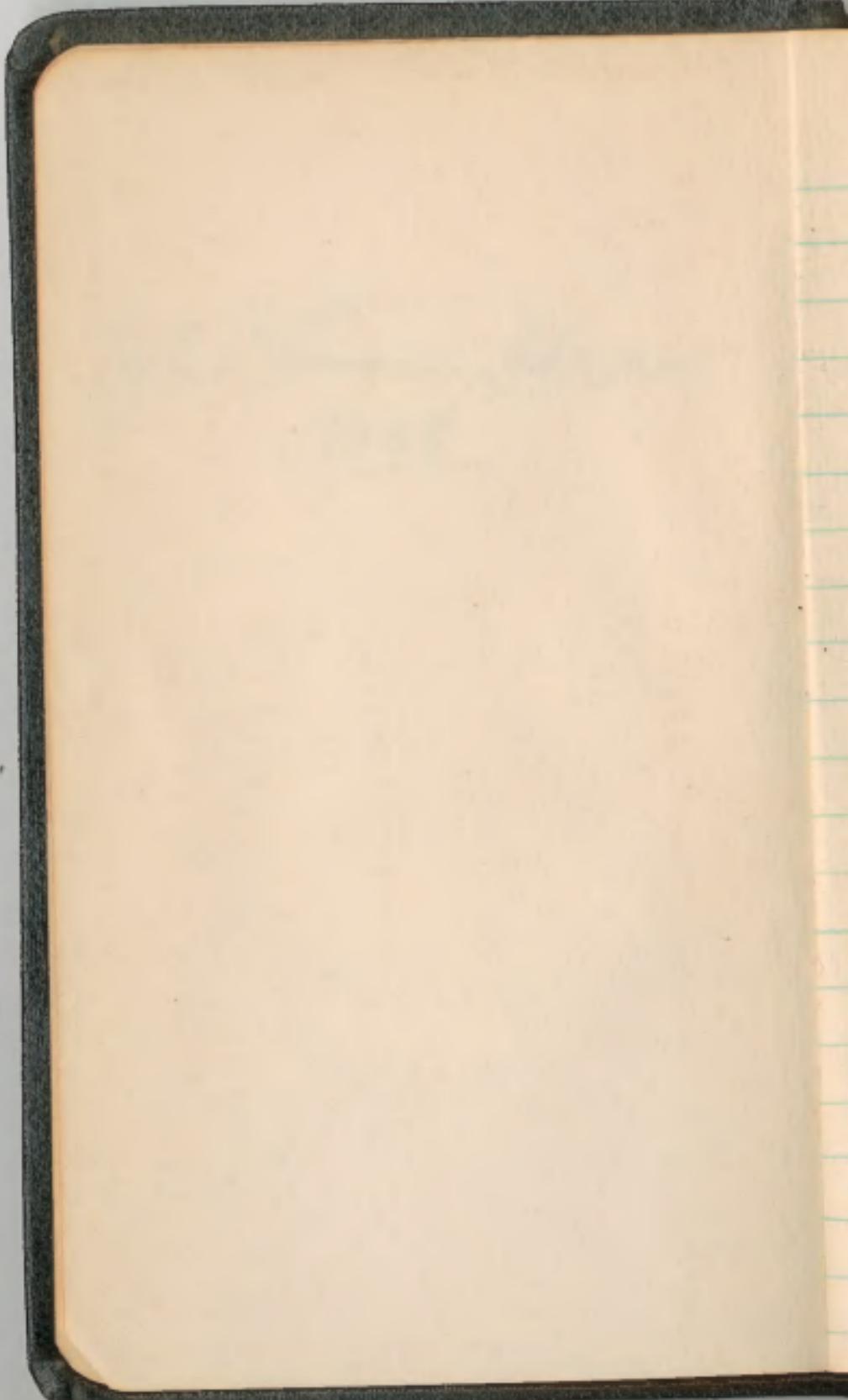


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John Thomas Howell

1938





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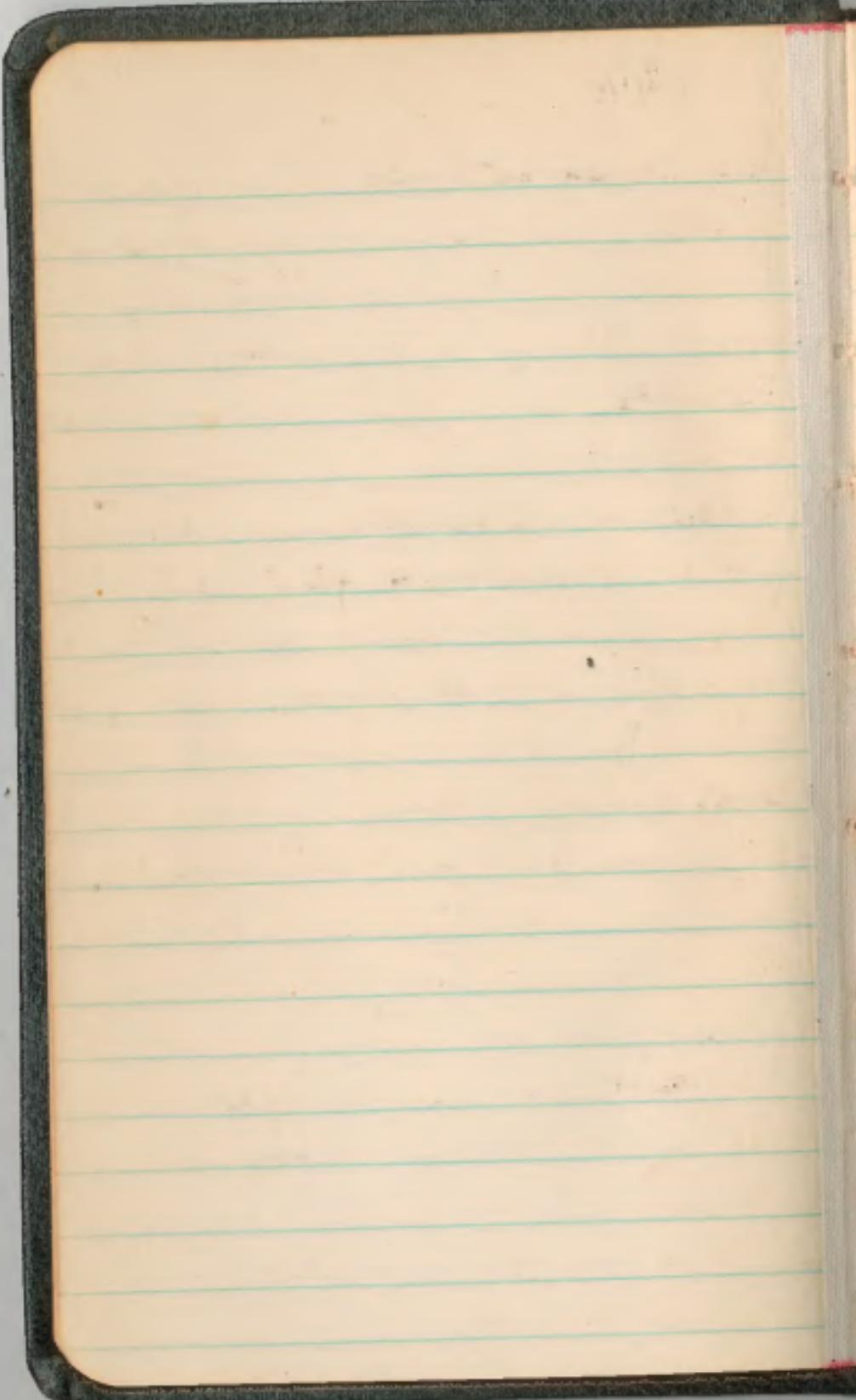
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Mar. 20, 1938.

Serpentine outcrop on Coyote Creek, 3 miles east of Madrone on road to Madrone Springs, Santa Clara Co. (With Lewis S. Rose.)

13724. *Ceanothus ferrisiae* McMinn  
Flowers creamy-white, the calyx sometimes with a purplish dot or dash on one sepal.

13725. *Dodecatheon*

In full flower & going to fruit.  
Peduncle with fine pubescence.

13726. *Dodecatheon*

mostly in bud. The corolla-lobes violet at tips, almost white at base.

N.B. - The dodecatheons did not grow on the serpentine.

Apr. 3, 1938.

13727. *Hennieria cinerea* DC.

Clay flat, 5 miles east of Livermore on road to Telesa,  
Alameda Co.

13728. *Sagina apetala* And.

Flat where water has stood,  
middle part of Coral Hollow,  
San Joaquin Co.

13729. *Trifolium laciniatum*

with preceding. Corolla pale  
with purple spot.

13730. *Trifolium depuratum* <sup>Decr.</sup>  
with preceding. Flowers purplish.

13731. *Trifolium depuratum*

with preceding. Flowers whitish  
with purple spot.

Apr. 3, 1938.

13732. *Trifolium amplexans* <sup>T. & g.</sup>

Flowers pale with dark spot.

Stems slender. With preceding.

13733. *Trifolium amplexans* <sup>T. & g.</sup>

Flowers without dark spot, longer.

Plants larger. With preceding.

The 5 clovers (& others unrelated)  
grew on a flat within a few  
feet of each other.

13734. *Festuca*

With the preceding.

13735. *Festuca*

Near the preceding.

Apr. 10, 1938.

Trip to Hospital Canyon,  
San Joaquin Co., with  
Dr. Robert Hoover.

Alkaline flat in eastern  
Livermore Valley about midway  
between west ends of Altamont &  
Patterson passes, Alameda Co.

13736. *Puccinellia simplex*

13737. *Astrolobus tener*

Flowers with white center bordered  
by violet, the wings violet with  
white spots near the outer end.

13738. *Allocarya humilis*

Stems prostrate from very base.

13739. *Specularia*

Apr. 10, 1938.

13740. *Milla maritima*

13741. *Trifolium cyathiferum*

Cowls somewhat inflated in fruit.

13742. *Spergularia*

East side of Patterson Pass,  
Alameda Co.

13743. *Collomia bicolor*

The lateral lobes of the lower lip  
violet.

13744. *Hesperomecon affinis*.

Apr. 10, 1938.

Near Midway, Alameda Co.

13745. *Lianthus bicolor*.

Limb cream-color or pale yellowish,  
throat yellow, tube rose.

13746. *Engelmannia capitata*

Petals at first lemon-yellow,  
getting paler in age.

13747. *Tropaeolocarpum capoidium*

13748. *Desmodium* *Sophia*

13749. *Eschscholtzia urceolata*?

Petals deep orange-red.

13750. *Sisymbrium Iris*.

Tracy, San Joaquin Co.

Apr. 10, 1938.

Hospital Canyon, San Joaquin Co.

13751. *Festuca confusa* Piper.

13752. *Festuca Eastwoodae* Piper  
(Only one plant seen.)

13753. *Modis radiata*

Producing one of the most brilliant  
floral displays I have ever seen.

13754. *Trifolium dichotomum*.

13755. *Amsinckia vernicosa*

13756. *Amsinckia Eastwoodae*

13757. *Logfia filiformis* var.  
infelicia

13758. *Streptanthus lilacinus*  
Petals plane & white.

Apr. 10, 1938.

Hospital Canyon, San Joaquin Co.

13759. *Eschscholtzia caerulea*

13760. *Ribes grossillimum*

13761. *Pogogyne serpylloides*

13762. *Forestiera neomexicana*

13763. *Phacelia Brewerii*

13764. *Streptanthus Parryi*

13765. *Cryptantha nevadensis*

13765A. *Cryptantha Clevelandii florae*

13766. *Coreopsis brevicaulis* M. & G.  
Lake Merced, San Francisco  
Apr. 12, 1938.

May 1, 1938.

Colma Canyon, San  
Bruno Hills, San Mateo Co.

13767. *Castilleja*

Inflorescence yellow.

13768. *Phacelia*

13769. *Layia*

13770. *Lupinus*

13771. *Phacelia*

Corolla open campanulate,  
violet

13772. *Amaranthus* hybrids

13773. *Clivias*

May 1, 1938.

San Bruno Hills s. of  
Visitation Valley, San  
Mateo Co.

13774. *Carex brevicaulis*

13775. *Lupinus variicolor*

13776. *Carex subbrostata*

13777. *Carex terminalis*

Near South San Francisco on Hillside  
Ave. about  $\frac{1}{2}$  mile - 1 mile east of  
Bayshore Highway, San Mateo Co.

13778. *Carex subbrostata*

13779. *Carex subbrostata*

13780. *Carex Barbata*

13781. *Carex Harfordii*

May 1, 1938.

13782. Carex subrostrata

13783. Carex subrostrata

13784. Allocarya

13785. Carex ludleyi

13786. Carex brevigulata

May 22, 1938.

San Anselmo Canyon sw. of  
Fairfax, Marin Co.

13787. *Lupinus monensis* Etbr.  
spec. nov.

13788. *Rubus*

13789. *Lionthus acicularis*

13790. *Carex densa* or relative

13791. *Streptanthus pulchellus*.

Inflorescence secund. Calyx a  
little irregular, the tips of the  
two lateral sepals directed upward  
towards the tip of the upper sepal,  
bright rosy-violet, the sepals  
strongly carinate & concave, the keel  
glabrous or usually with a few  
scattered white trichomes. Petals  
unequal, the two upper with  
broader blades that are erect or

May 22, 1938.

somewhat recurved, parallel; the two lower narrower and divaricate, the blades of all lavender with rosy-purplish veins and midrib, the claws pale greenish or tinged with a little purple. Four stamens polleniferous in two unequal pairs, the other two stamens sterile and united nearly or quite to the anthers. Siliques glabrous in all plants examined except two.

This differs from *S. pitchellii* as described by Greene in Mon. Bay Reg. Bot., 17, in not being "much-branched," the flowers more scattered, the sterile anthers being much-erect, and the pods being usually glabrous.

This grew on Serpentine above the forest cascade.

May 22, 1938.

San Anselmo Canyon SW. of  
Fairfax, Marin Co.

13792. *Festuca pacifica*

13793. *Festuca Grayi*

13794. *Stipa pulchra*

13795. *Leucogia microdon*

This ad the grasses grew with  
the *Stephanthus* on serpentine.

13796. *Godetia quadrivalvis* typica

13797. *Holodiscus discolor*.

13798. *Pleritis ciliosa*

13799. *Rubus*

Staminate plant with broad  
leaflets.

13800. *Marsh fabacea*  
San Anselmo Canyon, Marin Co.  
May 22, 1938.

13801. *Rubus*  
San Anselmo Canyon, Marin Co.  
May 22, 1938.

trip with Dr. R. F. Hoover to  
Madera Co.

13802. *Broadwulvia globella compacta*  
Santa Clara - San Benito Co. line  
on Bolar Road from Gilroy to  
A. C. L. May 28, 1938.

13803. *Limnella aquatica*  
with preceding.

May 28, 1938.

Near Hollister on Pacheco Pass road, San Benito Co. (Where Eastwood & Howell Nos. 5299-5308 were collected.)

13804. *Brodiaea coronaria*.

13805. *Atriplex triangularis*

13806. *Navarretia ciliolata*

Where E. & H. No. 5308 was collected.

2 miles ne of Hollister in Lone-tree district, San Benito Co.

13807. *Mimulus luteus*

13808. *Lepturus cylindricus*.

13809. *Gnaphalium palustre*

13810. *Ulocarya trichycarpa*

May 28, 1938.

13811. *Phalaris lemmonii*

13812. *Dolium multiflorum*.

On Arroyo Los Picos, 3 miles  
n. of Hollister, San Benito Co.

13813. *Horkelia frondosa*.

13814. *Calochortus venustus*

13815. *Carex nudata*

13816. *Rumex californicus*

Just east of summit of Proberts  
Pass, Merced Co.

13817. *eucaea Brewerii*.

13818. *Godmania purpurea*

Where E. + H. No. 5333 was collected

May 28, 1938.

13819. *Sendleria lutea* var.

13820. *Phacelia*

where E. & H. No. 5329 was collected

13821. *Cirsium cymosum*.

where E. & H. No. 5362 was collected.

East base of Poehos Pass grade,  
Mered Co.

13822. *Eryngium*

Aril hills 10 miles S. of Los  
Tanos, Mered Co.

13823. *Stenogyne obconica*.

13824. *Neuroleia Kelloggii*

13825. *Phacelia*

13826. *Spergularia atrosperma*.

May 28, 1938.

13827. *Hollisteria larata*

13828. *Eriogonum vestitum*

This ad *Eriog. vestitum* grew on  
peculiar diatomaceous shale or powdery  
soil about to the exclusion of everything  
else except the *Spergularia*. Gypsum  
interbedded in the shale.

13829. *Eriogonum indistinctum*

Stems firm woody, frequently bushy  
bases. The inflorescences a peculiar  
blue green color with the flowers.

Flowers pale greenish white or often  
pale greenish - yellowish white!

13830. *Eriogonum tennesseum*

This ad the 3 following grew on the  
higher slopes above the 2 preceding but in  
different soil - a regular clay soil  
without the interbeds while a gypsum.

May 28, 1938.

13831. *Eriogonum*

13832. *Eriogonum fasciculatum*  
var. *obtusiflorum*.

13833. *Eriogonum angulosum*.

2 miles south of Los Banos on  
canal bank, Merced Co.

13834. *Stachys albens*.

Between Velta and Gustine,  
Merced Co.

13835. *Godetia purpurea*.

13836. *Boudinotia globella* var.  
*canescens*

13837. *Boudinotia cleistogoma*.

May 29, 1938.

Buchock, Merced Co.

13838. *Corex Dudleyi*

1 mile n. of Chowchilla River on  
Valley Highway, Merced Co.

13839. *Eryngium*

Chowchilla, Madera Co.

13840. *Brediuvalia cleistogama*.

13841. *Brediuvalia glabella* var.  
*competens*

13842. *Psilocarphus globiferus*.

13843. *Psilocarphus tenellus*

13844. *Dominia miabilis*

13845. *Eryngium*

13846. *Navarretia nigellaformis*

May 29, 1938.

4 miles east of Chubilla,  
Madera Co.

13847. *Godelia purpurea*.

13848. *Amnickia Eastwoodae* X  
*Lycopoides* - 2d. Chisholm

13849. *Amnickia lycopoides*

13850. *Amnickia lycopoides*  
like 13849 but flowers a little  
larger.

13851. *Salvia carduacea*.

2 miles w. of Raymond, Madera Co.

13852. *Ullryantha bracteata*

13853. *Eryngium*

May 29, 1938.

Raymond, Madera Co.

13854. *Calycadenia mollis*.

13855. *Centaurium venustum*.

13856. *Galium pubens* var.  
*scabridum*

13857. *Godetia Williamsonii*

13858. *Chorizanthe stellulata*

13859. *Henigonia Hermannii*

13860. *Lycophyllum glandulosum*

13861. *Polygonum californicum*  
()

13862. *Gilia filipes*

May 29, 1938.

3 miles from Raymond on road to  
Coarse Gold, Modena Co.

13863. *Calochortus superbus* var.  
robustus.

7 miles from Raymond on road to  
Coarse Gold, Modena Co.

13864. *Pendulinum laetum*

13865. *Gaultheria Nuttallii* form?

13866. *Infundibulium obtusifolium*  
Glandular exudate very acid to  
taste.

13867. *Navarretia*

13868. *Myrsinella confertiflora*.

About midway between Raymond &  
Coarse Gold, Modena Co.

13869. *Streptanthus diversifolius*  
Where E. & H. No. 5451 was collected.

May 29, 1938.

4.5 miles from coarse gold on  
road to O'Neal's, Modena Co.

13870. *Mimulus floribundus*  
where E. + H. No. 5444 was collected

13871. *Phacelia* ~~sp.~~  
where E. + H. No. 5445 was collected

13872. *Phacelia* ~~sp.~~  
With preceding but stems numerous  
from caudex and spreading, not  
fewer than 10 in a whorl; and erect.

13873. *Erysimum capitatum*  
where E. + H. No. 5442 was collected.

coarse gold, Modena Co.

13874. *Phacelia platyloba*

13875. *Cryptantha intermedia*

May 29, 1938.

4 miles from Oakhurst on road  
to Coarsegold, Madera Co. —

13876. *Carex Dudleyi*

5 miles from Oakhurst on road  
to Ahwahnee, Madera Co.

13876. *Carex Dudleyi*

13877. *Eleocharis Bolanderi*.

13878. *Wyethia foliosa*.

4 miles from Ripinnawassee on  
road to Mariposa, Mariposa Co.

13879. *Eriophyllum Hermannii*

13880. *Lupinus Mariposanus*, sp. n.

13881. *Lupinus robustus*

13882. *Godetia Dudleyana*.

13883. *Godetia ludleyana*?

Usa, Mariposa Co.

13884. *Cirsium*

May 29, 1938.

Burlingame, San Mateo Co.

June 4, 1938.

13885. *Phalaris californica*.

13886. *Vicia bergholensis*

13887. *Rubus*

♀

13888. *Rubus*

♀

leaves & leaflets broad & blunt,  
especially the third leaflet on the  
spurile shoots.

13889. *Rubus*

♂

13890. *Rubus*

Only sterile shoots obtainable -  
taken because of the cut leaflets  
& their pubescence.

13891. *Rubus*

Plants naturalized along creek  
bank in Baulingame.

June 4, 1938.

13892. *Senecio sylvaticus*

Open in chaparral, Throckmorton  
Trail, Mt. Tamalpais. June 5, 1938.

13893. *Rubus*

?

Shaded canyon near Fern Canyon,  
Mt. Tamalpais. June 5, 1938.

June 5, 1938.

13894. *Phouelia californica*  
Corolla tubular campanulate, the  
lobes mostly erect, scarcely exceeding  
the calyx. Corolla violet.

Between Fern Canyon + Azalea Flat,  
Matt Davis Trail, Mt. Tomalpais.

13895. *Carex debiliformis*  
(Azalea Flat, Mt. Tomalpais on  
Matt Davis Trail se. of West Point).

13896. *Carex ablata*  
With preceding. C. obliqua + C.  
Polystachya + C. senilis too.

13897. *Cirsium montigenum*.  
Flowers lavender-pink. With  
preceding.

13898. *Rubus*  
With preceding.

June 5, 1938.

13899. *Carex Barbarae* x *oblonga*?  
East of Bootjock on Mt. Davis  
Trail, Mt. Tamalpais.

13900. *Carex Barbarae*  
Between Bootjock and Mt.  
Sheafer, Mt. Tamalpais.

13901. *Carex gynodictyon*  
Rock Spring, Mt. Tamalpais.

13902. *Carex lusakii*

13903. *Carex densa*

13904. *Carex sub-bacata*

13905. *Carex densa* - discarded.

13906. *Rubus*

East of West Point on old RR.,  
Mt. Tamalpais.

13907. *Streptanthus pulchellus* Greene  
Robust individual about 2 ft. tall  
& widely branched growing on road  
cut near Rock Spring, Mt.

Tomalpais. June 9, 1938.

13908. *Castilleja pacifica*  
Laurel Dell, Mt. Tomalpais  
June 9, 1938.

13909. *Castilleja pacifica* Grayi  
with preceding; in same patch  
June 9, 1938.

13909A. *Brodiaea peduncularis* ?  
Swampy springy place east of  
Bootjack, Mt. Tomalpais.  
June 9, 1938.

June 19, 1938.

13910. *Senecio sylvaticus*

Plant 3 ft. tall in partial shade.  
Cascade Canyon, Mill Valley,  
Marin Co.

13911. *Bromus Chentianus* var *Hallii*  
with preceding.

13912. *Bromus vulgaris*  
Near preceding

13913. *Bromus mollis*  
ziggzag fire trail, Mt. Tamalpais.

13914. *Festuca megalura*  
With preceding

13915. *Festuca octoflora*  
Throckmorton fire trail, Mt.  
Tamalpais.

June 19, 1938.

13916. *Neuroteria squarrosa*

Herbaceous mephitic. With preceding.

13917. *Neuroteria mellita*

Herbaceous not mephitic or odorous.

Corolla broader & nearly exserted.

13918. *Rubus*

Trailing along the ground or climbing a little way into shrubs. With *Rhododendron occidentale*, *Mycica californica* *Rhamnus californicus*. "Gyalea Flat" on Matt Lewis Trail, between Fern Canyon & Layuna Creek, Mt. Sanalpais.

13919. *Bromus laevipes*

On serpentine, Bootjack, Mt. Sanalpais.

13920. <sup>Festuca</sup> *Bromus californicus*

With preceding.

June 19, 1938.

13921. *Rubus*

Trailing among azaleas and associated shrubs at Bootjack, Mt. Tamalpais. — These plants may represent topotypes of *Rubus Eastwoodianus* Rydb. The day the type of that species was collected, Rydberg was Miss Eastwood's guest on the mountain and she tells me they went to Rock Spring. In the afternoon she left Rydberg since she was to meet the Botany Club in Mill Valley and it seems not unlikely that he may have collected specimens of the blackberry around Bootjack which is not far distant from Rock Spring. Or he may have collected it along the Rock Spring Trail. At any rate it would seem that *Rubus Eastwoodianus* is the nearly globous blackberry that grows with the azaleas on the south side of the mountain.

June 19, 1938.

Head of Steep Ravine, Mt.  
Tawalpoo.

13922. *Streptanthus pubescens*

13923. *Phacelia* sub. *varia*  
Cotilla very pale lavender.

13924. *Coreopsis* dense

13925. *Coreopsis brevicaulis*

13926. *Ceanothus*

Rattlecanote - only one shrub  
seen.

13927. *Ceanothus*

With preceding.

June 19, 1938.

East  
west of Rattlesnake Camp on  
Troop 80 Trail, Mt. Sanalpao  
13928. *Melica* *Horfordii*

13929. *Rubus*

Dear preceding.

13930. *Rubus*

Unusually pubescent form growing  
on road cut of old railroad to  
Min Woods about distance west of  
the Trestle, Mt. Sanalpao.

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June 30, 1938.

North Berkeley Hills, Alameda Co.

13931. *Grindelia*

13932. *Lupinus* *Bridgesii*

Stems spreading. Plant grayish &  
hair more spreading.

June 30, 1938.

13933. *Lupinus jacander*

Stems spreading. Plant greener  
& pubescence more appressed.

13934. *Lupinus densiflorus*

Flowers pale rose-lavender.

13935. *Rumex transitorius*

Margin of leaves crenated.

13936. *Carex donac*

13937. *Carex gracilis*

Head of Siesta Valley on edge of  
brush, Contra Costa Co.

13938. *Navarretia mellita*

Glandular herbage with very slight  
odor, scarcely nephritic. Corolla  
lavender.

June 30, 1938.

Berkeley Hills ne. of Grizzly Peak  
near head of Strawberry Canyon on  
n. slope in clay soil.

13939. *Cirsium Walkerianum*  
Stems erect. Flowers light rosy-  
purple. Only 1 plant seen.

13940. *Cirsium Walkerianum*  
North-east slope near head of  
Wildcat Canyon, Berkeley Hills  
ne. of Grizzly Peak. Colony of  
dozen or so plants individuals  
more or less interconnected by  
slender rootstocks.

13941. *Grindelia*  
North Berkeley. Heads more  
leafy involucels than in no.  
13931, 4 flowers much larger.

July 3, 1938.

Near west end of Lucas Valley,  
Marin Co.

13942. *Cirsium*

Plants spreading by underground  
stems. Flowers solid tan.

13943. *Angelica tomentosa*

Serpentine slopes at head (west  
end) of Lucas Valley, Marin Co.

13944. *Centaurium tricanthum*

13944A. *Eriogonum vimineum*  
var. *cavimum*.

13945. *Streptanthus secundus*

Stony Point, Sonoma Co.

13946. *Guidelia*

13947. *Eryngium*

Flowers lavender.

July 3, 1938.

Stony Point, Sonoma Co.

13948. Carex stans

13949. Carex

13950. Carex bromoides

13951. Navarretia squarrosa.

Herbage nephritic

13952. Trifolium amoenum.

13953. Cirsium Walkerianum form.

Stems erect, 3 ft. tall, plants  
spreading by rhizomes. Flowers  
solid white at first.

July 3, 1938.

3 miles n. of Sebastopol,  
Sonoma Co.

13954. Carex brewerioides

13955. Rhamnus californica.

Pittkin Marsh, Sonoma Co.

13956. Mimulus moschatus

13957. Epilobium Watsoni.

13958. Achillea Millefolium

13959. Gentiana Septem

13960. Cicuta Douglasii

13961. Zygadenus fremontii.

13962. Rumex conglomeratus

July 3, 1936.

Pitki Marsh, Sonoma Co.

13963. *Orthocarpus amoenus*

13964. *Carex Hodgesii*.

13965. *Carex Iowayi*.

13966. *Carex gracilis*

13967. *Juncus effusus* var. *pacificus*

13968. *Juncus occidentalis*

13969. *Juncus mordvilkoi*

13970. *Juncus buforinus*

13971. *Juncus phaeocephalus*

13972. *Navarretia viscidula*

Corolla purple, anthers lavender-blue

13973. *Lupinus formosus*.  
Valleyo, Solano Co. July 4, 1938.

Benicia Junction, Suisun  
Marshes, Solano Co.

July 17, 1938.

13974. *Potentilla pacifica*

13975. *Cicuta holodendri*.

13976. *Senecio hydrophilus* var.  
*pacifica* Greene

13977. *Achillea puberula* Rydb.

13978. *Carex Barbata*  
Green Valley, Solano Co.

13979. *Carex*  
Green Valley Falls, Solano Co.

Near Green Valley Falls, Solano

Co. July 17, 1938.

13980. *Bostrychia elata*.

13981. *Lupinus albicaulis*

13982. *Cirsium venustum*.

Suisun Marshes at Suisun,

Solano Co. July 17, 1938.

13983. *Stachys albens*.

13984. *Heliumium* - *Helieniastrum*  
*occidentale* - Greene.

13985. *Bromus marginatus*

Golden Gate Park at rear of  
Academy Bldg. July 26, 1938.

South Fork Yuba River, ca. 5500 ft.,

Nevada Co. Aug. 1, 1938.

13986. *Sidalcea glaucescens*.

13987. *Nama lobbii*.

3.8 miles s. of Truckee on road to  
Brockway, Placer Co. Aug. 1, 1938.

13988. *Lupinus sellulus*.

On sagebrush flat.

5 miles n. of Brockway on road to  
Truckee, Placer Co. Aug. 2, 1938.

13989. *Urtica Brewerii*.

13990. *Urtica alpina*.

13991. *Veronica heterantha*

13992. *Eleocharis biloba*.

Aug. 2, 1938.

13993. *Montia chenissii*

13994. *Amaranthus californicus*

13995. *Tribolium produvtum*

13996. *Gilia capillaris*

13997. *Aricia cordifolia*

13998. *Carex lanuginosa*

13999. *Carex simulata*

1.

14000. *Carex Jovae*

14001. *Carex rostrata*

14002. *Carex aurea*

14003. *Carex fuscovirens*

Aug. 2, 1938.

14004. *Carex nebrascensis*

14005. *Carex teneraformis*

14006. *Carex microptera*

14007. *Allocouya hispida*

Near Brockway, Placer Co.

14008. *Cirsium*

14009. *Senecio Senegalensis*.

14010. *Avalanchea alnifolia*

Sand dunes on shore of Lake Tahoe  
at Brockway, Placer Co.

14011. *Lupinus Breweri*.

Near Calneva, Placer Co.

14012. *Carex fracta*

14013. *Phoenicurus*

Nevada

Aug. 2, 1938.

mt. Rose highway, 2.4 miles  
from Incline, Washoe Co.

1 14014. *Carex subfusca*

1 14015. *Carex teneraeformis*

1 14016. *Carex teneraeformis*

mt. Rose highway, 5.2 miles  
from Incline, Washoe Co.

1 14017. *Ericameria agallochaster*

1 14018. *Lupinus cordatus*

1 14019. *Castilleja pinetorum*

1 14020. *Phocelia*

mt. Rose highway, 6.6 miles  
from Incline on dry slope, 8550  
ft. elev., Washoe Co.

Nevada

Aug. 2, 1938.

14021. *Lupinus californicus*.

Banner faint lavender in young  
flowers - later white.

14022. *Carex brevipes*

14023. *Carex*

14024. *Carex Presliae*

14025. *Carex multicostata*

14026. *Carex festucella*

14027. *Carex straminea*

Nevada

Aug. 3, 1938.

mt. Rose Meadows n. of Incline,  
Washoe Co. El. 8500 ft. These  
were collected on "Third Creek"  
as shown on Cal. Auto. Ass. map.

14028. *Habenaria sparsiflora*.

14029. *Cirsium* -cf. *utahense*

14030. *Habenaria leucostachys*.

14031. *Chenopodium album*.

14032. *Lithophragma glabra* var.  
*bulbifera*.

14033. *Minimus* Lewisii

14034. *Linanthus bicolor*.

14035. *Potentilla Hallii*

14036. *Glyceria paniculata*.

nevada

Aug. 3, 1938.

14037. *Romaneirus alienaefolius*.

14038. *Aster* - aff. *A. foliaceus*?

14039. *Scirpus Congdoni*.

14040. *Scorzonella mitans*.

14041. *Cryptantha affinis*

14042. *Delphinium Andersonii*.

14043. *Navarretia Brewerii*.

14044. *Engelm. Coulteri*

14045. *Collomia Tinctoria*

14046. *Rumex triangulivalvis*

14047. *Monandella pallida*.

Nevada

Aug. 3, 1938.

mt. Rose meadows above Incline  
at 8500 ft., Washoe Co. On  
"Third Creek".

14048. *Penstemon grossidentatus*

14049. *Osmorhiza occidentalis*

14050. *Antennaria nevadensis*

14051. *Wyethia mollis*

14052. *Solidago liliacea*

14053. *Achillea Millefolium*

14054. *Luzula* - nearest L. multiflora  
var. *engesta*

14055. *Sagina procumbens*

14056. *Eriogonum manifolium*

nevada

Aug. 3, 1938.

14057. *Radicula curvisiliqua*  
14058. *Gayophytum Nuttallii* var.  
                  *Abromaei*.  
14059. *Cryptantha glomeriflora*  
14060. *Crabis platysperma*  
14061. *Potentilla pumila*.  
14062. *Mesurina viscosa*.  
14063. *Phaeelia*  
14064. *Uvula Madagascariensis*.  
14065. *Infolium monanthum*  
14066. *Gayophytum Nuttallii*  
14067. *Mimulus pumiloides*.

Nevada

Aug. 3, 1938.

mt. Rose meadows above Incline,  
Washoe Co. El. 8500 ft. On  
"Third Creek."

14068. *Allocarya hispidula*

14069. *Polygonum Kelloggii*

14070. *Juncus badius*

14071. *Polygonum bistortoides*

14072. *Viola purpurea* ssp.  
*integifolia*

14073. *Saxifrage septentrionalis*

14074. *Polygonum comosum*

14075. *Galium bifolium*

14076. *Collomia brachypoda*

Nevada

Aug. 3, 1938.

14077. *Armenia alpina*.

14078. *Gilia aggregata*.

14079. *Lathyrus Langwentii*

14080. *Ribes laevigatum*

14081. *Agastache urticifolia*

14082. *Holodiscum Fendleri*.

14083. *Ranunculus alismellus*

14084. *Cardamine Breweri*.

14085. *Vernicia alpina* var.  
*maloshensis*.

14086. *Luzula subengesta*

14087. *Pedicularis attollens*.

Nevada

Aug. 3, 1938.

mt. Rose meadows n. of Incline,  
8500 ft., Washoe Co. On "Third  
Creek"

14088. *Minimus* Tilingii

14089. *Ligusticum* Gray

14090. *Saxifrage punctata* var.  
angusta.

14091. *Hedcothaea alpinum*

14092. *Mertzelia dispersa*.

14093. *Polygonum longistylis* var.  
*lotifolium*

14094. *Perennaria geminiflora*

14095. *Phleum alpinum*

14096. *Vernica serpyllifolia*

Nevada  
Aug. 3, 1938.

14097. *Phacelia* -

14098. *Phacelia hastata* sec. compacta

14099. *Symplocarpus*

14100. *Sprengelia umbellata* var.  
codiciflora.

14101. *Phacelia humilis*

14102. *Ceanothus velutinus*

14103. *Infolium longipes*.

14104. *Lupinus Lobbii*

14105. *Senecio trigoniophyllum*.

14106. *Allium austineae*

14107. *Eriogonum palmerianum*

Nevada  
Aug. 3, 1938.

Mt. Rose meadows north of  
Incline, Washoe Co., 8500 ft.  
On "Hick Creek."

14108. *Salix Læmmonii*

14109. *Salix oreastera*

14110. *Hackelia floribunda*

14111. *Lupinus procumbens*

14112. *Erythronium capitatum*  
var. *perenne*

14113. *Calochortus Leichtlinii*

14114. *Colchicum biflorum*

14115. *Castilleja miniata*

14116. *Oenothera Xylocarpa*

Nevada.  
Aug. 3, 1938.

14117. *Castilleja pectinata*

14118. *Castilleja pectinata*

14119. *Mimulus luteodorsii*

14120. *Draba pterospora* var. *nana*  
(var. *Hitchcockii*.)

14121. *Veratrum columbianum*

14122. *Heuchera glauca*

14123. *Potentilla glaber*.

14124. *Aquilegia truncata*

14125. *Aquilegia truncata*

14126. *Epilobium oreganense*.

14127. *Epilobium alpinum*.

Nevada

Aug. 3, 1938.

Mt. Rose meadows north of Incline,  
8500 ft., Washoe Co. On "Third  
Creek."

14128. *Epilobium bristylum*.

14129. *Saxifrage sierrae*.

14130. *Cryptantha eschimella*

14131. *Cymopterus californicus*

14132. *Carex scopoliana*

14133. *Carex Jonesii*

14134. *Carex rostrata*

14135. *Carex capitata*

14136. *Carex subvirgina* n.sp.

Nevada  
Aug. 3, 1938.

14137. *Carex nervosa*

14138. *Carex fusciculosa*

14139. *Carex heteronema*

14140. *Carex speciosa*

14141. *Carex Presliae*

14142. *Carex straminiformis*

14143. *Carex integrifolia*

14144. *Carex festucelloides*

Nevada

Aug. 4, 1938.

Near Galena Creek divide near  
head of "Third Creek," 9000<sup>9500</sup> ft.,  
Washoe Co.

14145. *Carex mericana*

14146. *Carex scopulorum*

14147. *Minimus* <sup>Brevirostris</sup> ~~nephritis~~?

Corolla-lobes a little unequal.

14148. *Minimus nephritis*?

Corolla tubular & nearly regular

14149. *Minimus leptaleus*

Corolla-lobes directed forward,  
not flaring or spreading

14150. *Lewisia nevadensis*

14151. *Viola purpurea* spp.  
*integifolia*

Nevada

Aug. 4, 1938.

14152. *Raillardella argentea*.

14153. *Wrabia densiloba* n. sp.  
(Mt. Hitchcock)

14154. *Carex subviridis* n. sp.

High ridges at head of Galena Creek  
near Mt. Rose, Washoe Co., 9500-  
10500 ft.

14155. *Penstemon densiflorus*.

14156. *Lupinus meionanthus*

14157. *Sonnea Virginica*

14158. *Leptodactylon pungens*

14159. *Heterogalba Sonneana*.

14160. *Senecio neopolis*.

Nevada

Aug. 4, 1938.

High ridges at head of Galena  
Creek, near Mt. Rose, Washoe Co.

9500 - 10500 ft.

14161. *Lupinus*

14162. *Penstemon glaber* var.

14163. *Arabis platycarpa*?

14164. *Melica stricta*.

14165. *Phacelia* ~~Tentaculata~~ -

14166. *Epilobium obcordatum* +  
var. *pubescens*.

14167. *Rouilla* *della nevadensis*.

14168. *Castilleja pallidens*.

14169. *Phoenocaulis cheiranthoides*

Nevada  
Aug. 4, 1938.

14170. *Linum Lewisii*

14171. *Eriogonum umbellatum* var.

14172. *Festuca ovina* var.  
brachyphylla

14173. *Valeriana californica*

14174. *Eriemannia composita*.

14175. *Senecio oreopolus*.

14176. *Senecio Suckadorfii*

14177. *Potentilla Beringi*.

14178. *Oxyria digyna*

14179. *Galium hypolechium*

14180. *Phacelia* (?)

Nevada

Aug. 4, 1938.

High ridges at head of Galena Creek near Mt. Rose, Washoe Co.  
9500-10500 ft.

14181. *Ericameria* Lobbii

14182. *Chrysantha echinoides*

14183. *Penstemon glaber*.

14184. *Hastatella cymboides*.

14185. *Allium triquetrum*

14186. *Antennaria alpina*.

14187. *Potentilla Breweri*.

14188. *Ribes montigenum*

14189. *Lupinus Breweri*.

Nevada

Aug. 4, 1938.

14190. *Lupinus alpinus* Heller.

14191. *Castilleja pectinata*

14192. *Polygonum shastense*

14193. *Draba* - -

14194. *Carex Nuttallii* var.  
gracilis.

14195. *Mimulus densus*

14196. *Gilia montana* - Topotype

14197. *Phlox longistylis*.

14198. *Ranunculus oxyacanthus*

14199. *Eriogonum rhodanthum*.

14200. *Solidago corymbosa*.

Nevada

Aug. 4, 1938.

High ridges at head of Galena Creek near Mt. Rose, Washoe Co.  
9500-10500 ft.

114201. *Rumex parvifolius*

114202. *Poa juniperina*

114203. *Carex haydeniana*

114204. *Erysimum*

114205. *Anemone capillaris*

114206. *Peristomum geniculatum*

114207. *Ceratium Beringianum*.

114208. *Ligustrum Grisei.*

114209. *Urtica sanguinea* var.

Nevada  
Aug. 4, 1938.

14210. *Arabis stenoloba* var. *maria*  
(Det. Hitchcock)

14211. *Hackelia floribunda*

14212. *Cynopteris californica*

14213. *Arabis*

14214. *Arabis Lemmonii* .

14215. *Arabis Lemmonii*

14216. *Arabis Howellii*

14217. *Arabis retrofracta*

14218. *Internaria dioica*

14219. *Chaeractis longilobis*  
var. *alpina*.

Nevada

Aug. 5, 1938.

Summit of Mt. Rose Highway  
above Incline, Washoe Co.  
9000 ft.

14220. *Carex Prestii*

14221. *Mimulus densus*  
Herbage mephitic

14222. *Sphenocleodium capitellatum*  
Meadows in upper Galena Creek  
Canyon sw. of Mt. Rose along  
highway, el. ca. 8500 ft. Washoe Co.

14223. *Geum macrophyllum*.

14224. *Juncus longistyliis*

14225. *Juncus Mertensii*

14226. *Carex scopolium*

Nevada  
Aug. 5, 1938.

14227. *Carex jonesii*

14228. *Carex hoodii*

14229. *Carex straminiformis*

14230. *Carex straminiformis*

14231. *Carex multicostata*

14232. *Carex abrupta*

W. side of Slide Mt. on mt.

Rose Highway, 7500 ft., Washoe Co.

14233. *Cirsium* - cf. *utahense*

14234. *Trifolium monanthum*.

14235. *Mimulus densus*

Nevada

Aug. 5, 1938.

n. side of Slide Mt. on mt. Rose  
highway, el. ca. 7500 ft.,  
Washoe Co.

14236. *Aster Andersonii*

14237. *Senecio Scopulicola*.

14238. *Mama densum*.

14239. *Eriogonum spergulinum*

14240. *Phacelia* ~~Trilobata~~ <sup>sp.</sup> ~~longistylis~~

14241. *Chamaearachis nana*

14242. *Carex Douglasii*

14243. *Carex rostrata*

14244. *Carex athrostachya*

Nevada

Aug. 5, 1938.

14245. *Carex longosetosa*

14246. *Carex praeoculata*

Near lower end (east) of Galena  
Creek Canyon, ca. 5500 ft.,  
Washoe Co.

14247. *Crismum*

14248. *Phocelia*

14249. *Phocelia* ~~7-10-38~~ <sup>Aug. 8, 1938</sup> (cont.)

Near Steamboat Springs, Washoe Co.

14250. *Mimulus Bigelowii* var.  
*angustatus*

Near Franktown, Washoe Co.

14251. *Lupinus confertus*.

Nevada - California

Gardnerville, Douglas Co., Nevada.

Aug. 5, 1938.

14252. *Cicuta longiloba*

14253. *Castilleja pallida*

Holbrook, Douglas Co., Nevada

Aug. 5, 1938.

14254. *Cirsium canescens* f.m.  
flowers light rose, leaves greener.

Topaz Lake, Mono Co., Calif. <sup>Aug. 5, 1938.</sup>

14255. *Corex nebrascensis*

East end of Sonora Pass near Fallon  
Hot Springs, Mono Co. Aug. 6, 1938.

14256. [Siem. spec.] ~~Neurolema~~ in the

14257. *Iris missouriensis*

14258. *Erythronium* *vinifolium*

Aug. 6, 1938.

14259. *Lupinus cardatus*.

14260. *Castilleja linearifolia*

14261. *Euionymus microthecum*

14262. *Mimulus floribundus*

14263. *Galium multiflorum*.

14264. *Monardella anemonoides*

14265. *Arabis retrofracta*

14266. *Carex alvostachys*

14267. *Carex fracta*

14268. *Lappula occidentalis*

14269. *Sidalcea spicata*.

Aug. 6, 1938.

East end of Sierra Pass near Tales

Hot Springs, Mono Co.

14270. *Eleocharis bella*

14271. *Eleocharis acicularis*

14272. *Equisetum Funstonii*

14273. *Cirsium*

Tales Hot Springs, Mono Co.

14274. *Cirsium Botrys*

14275. *Sonoma Kingia*

Bridgeport, Mono Co.

14275A *Pycnocoma glomerata*.

14276. *Scirpus nevadensis*

14277. *Stephanochilus pumilus*

Aug. 6, 1938.

14278. *Helypodium brachycarpum*

14279. *Cithocarpus*

Conway Summit n. of Mono  
Lake, Mono Co. Aug. 6, 1938.

14280. *Navarretia Breweri*.

14281. *Gayophytum nonissimum*.

14282. *Nama demissum*.

near Crestview, Mono Co.

14283. *Carex brevipes*

Aug 7, 1938.

Noldeke Cabin, Whiskey Creek  
7000 ft., Mono Co.

14284. *Castilleja disticha*

14285. *Abomia turbinata*

14286. *Huynia florosa*.

14287. *Pentstemon papillatus* Howell  
Type locality!

14288. *Artemisia macrocephala*.

14289. *Carex aurea*

14290. *Lepidium virginicum*  
var. *pubescens*.

14291. *Phacelia*

14292. *Potentilla flabelliformis*

14292A. *Arabis retrofracta*

Aug. 7, 1938.

14293. *Silene montana*.

14294. *Orthocarpus hispidus*

14295. *Crepis acuminata*.

14296. *Agoseris alpestris*

14297. *Juncus bufonius*

14298. *Polygonum sonchoides*

14299. *Arnica foliosa*.

14300. *Juncus nevadensis*

14301. *Polygonum Douglasii*

14302. *Juncus orthophyllus*

14303. *Navarretia Brewerii*.

Aug. 7, 1938.

Whiskey Creek, 7000 ft., Mono Co.  
14304. *Phacelia humilis*

14305. *Monolepis synanthedon*

Sagebrush flats + slopes on Whiskey Creek near the Owens River, 6800 ft., Mono Co.

14306. *Eryngium capitatum*  
(det. Rosabush)

14307. *Gilia leptomeria*

14308. *Eriogonum Baileyi*

14309. *Eriogonum agallastrum*

14310. *Eriogonum elatum*

14311. *Chenopodium leptophyllum*

14312. *Chenopodium atrorivens*.

Aug. 7, 1938.

14313. *Castilleja pilosa*.

14314. *Lupinus sellulus*.

14315. *Ivesia Congdonis*.

14316. *Astragalus Mortonii*

14317. *Castilleja claviformis* var.  
*cruciformis*.

14318. *Oxytheca dendroidea*.

Crooked Creek, 6750 ft., Mono Co.

14319. *Angelica lineariloba*.

14320 *Phacelia bicolor* var.

14321. *Chenopodium longilobum*

14322. *Polygonum sonoriense*

Aug. 7, 1938.

Crooked Creek, 6750 ft., Mono Co.

14323. *Senecio monavenus*

14324. *Eriogonum microthecum*

fls. yellow

14325. *Eriogonum microthecum*

fls. white

14326. *Eriogonum cannum* Greene

14327. *Aster adscendens*

14328. *Symporicarpus*

14329. *Artemisia gnophalodes*

14330. *Condylanthus pilosus* var.  
Bolanderi.

14331. *Vicia americana*

Aug. 7, 1938.

14332. *Carex nebrascensis*

14333. *Euphorbia serpyllifolia*

14334. *Lepidium montanum* -  
related to var. *conscens* var. *Hitchcock*.

14335. *Hippurus vulgaris*

14336. *Mentzelia dispersa*.

14337. *Hemizonia Wherryi*.

14338. *Chamaebatia Millifolium*

14339. *Thelypodium laciniatum*

14340. *Solidago elongata*.

Aug. 7, 1938.

meadow + pumice slopes S.  
of Little Round Valley, Mono Co.,  
7000 ft.

14341. *Mimulus pilosus*

14342. *Streptanthus pilosus*.

14343. *Chenopodium Fremontii*

14344. *Penstemon floridus*  
Corolla rosy-pink.

14345. *Monolepis spathulata*

14346. *Gilia Tenuiflora* Tiegs  
Limb bright pink when fresh.

14347. *Potentilla biennis*

14348. *Eriogonum canescens* Tenu

Aug. 7, 1938/

14349. *Coldevia Nuttallii*

14350. *Galium multiflorum*.

14351. *Parnassia californica*

14352. *Diobanche Grayana*  
Very abundant.

14353. *Phacelia*

Limb lavender-blue. Among  
volcanic rocks in crevices under  
piñon.

Crooked Creek, 6700 ft., Mono Co.

14354. *Senecio hydrophilus*.

14355. *Cirsium*

Fls. light purple

Aug. 7, 1938.

Rock Creek canyon n. of Shewin  
Hill, Mono Co.

14356. *Betula fontinalis*

14357. *Castilleja californica* -

Summit of Shewin Grade,  
Mono Co. 8,000 ft.

14358. *Sphaeralcea ambigua*  
*monticola*.

14359. *Galium Munzii*

14360. *Eriogonum deflexum* ssp.  
*Watsonii*?

14361. *Eriogonum Hermannii*

14362. *Eriogonum motescum* ssp.  
*monilifer* - type!

14363. *Scrophularia californica*

14364. *Eriogonum vimineum* ssp.  
*commixtum*

Aug. 7, 1938.

14365. *Iva nevadensis*.

Sherwin Grade, Mono Co.

14366. *Eriogonum brachyanthum*

14367. *Eriogonum nudum*

14368. *Eriogonum maculatum*

14369. *Oenothera heterochroma*  
var. monoensis

14370. *Eriogonum inflatum*

14371. *Cleome leuca*.

14372. *Stephanomeria Parryi*.

14373. *Rosa pubescens*.

14374. *Cyperus inflexus*

Aug. 8, 1938.

Alkali flats of Long Valley near  
Owens River east of Whitmore  
Tub Springs, Mono Co.

14375. *Cleomella parviflora*.

14376. *Nitrophila occidentalis*

14377. *Atriplex phyllostegia*

14378. *Lupinus adenurus*.

14379. *Oxytheca luteola*

14380. *Douglasia kingii*

14381. *Atriplex parvula*.

14382. *Phacelia* <sup>parvula</sup>

14383. *Castilleja* [Lemmoni var.]

*thompsonii* [Lemmoni var.]

Aug. 8, 1938.

14384. *Tingochia minima*.

14385. *Eriogonum amplexicaule* Howell.

14386. *Monolepis pusilla*

14387. *Calyptridium roseum*

14388. *Pyruccaria glomerata*

14389. *Thelypodium brachycarpum*.

14390. *Spartina gracilis*

14391. *Atriplex truncata*

14392. *Scirpus nevadensis*

14393. *Pyruccaria* - aff. *P. racemosa*.

14394. *Atriplex truncata*

Aug. 8, 1938.

Alkaline flats of Long Valley e. of  
White Pine Hot Springs near the  
Owens River, Mono Co.

14395. *Puccinellia Lemmonii*

14396. *Tanacetum polystachyoides*

14397. *Chrysanthemum consimilis*

14398. *Atriplex triangularis*

14399. *Astragalus Pulsiferus* var.

Owens River, ca. 7000 ft., Mono Co.

14400. *Ceratophyllum demersum*.

14401. *Ranunculus aquatilis*

14402. *Zannichellia palustris*

14403. *Myriophyllum spicatum*.

Aug. 8, 1938.

7 Mammoth Lakes Basin, Mono Co.

14404. *Brodiaea ixoides*

14405. *Sweertia* - *Frasera speciosa* .

14406. *Lysimachia*

14407. *Pyrola pallida*

14408. *Thlaspium Fendleri* .

14409. *Epilobium*

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14410. *Eriogonum salsuginosum* .

14411. *Arabis rectissima* ?

14412. *Rumex occidentalis*

14413. *Phrynosmia Breweri* .

Aug. 8, 1938.

Mammoth Lakes Basin, Mono Co.  
14414. *Arabis rectissima*.

14415. *Phacelia*

14416. *Cirsium*

14417. *Salix Eastwoodiae*

14418. *Eryngium Brunonianum*.

14419. *Aster leavenworthiifolius*?

14420. *Solanum Xantii*

14421. *Wesmaelia Sonnei*.

14422. *Phacelia mitabilis*

14423. *Castilleja*

Aug. 8, 1938.

14424. *Carex whitneyi*

14425. *Eriogonum deductum*

14426. *Carex Kelloggii*

14427. *Carex heteroneura*

14428. *Carex nebrascensis*

14429. *Carex subfuscata*

14430. *Carex teneriformis*

14431. *Carex brevipes*

14432. *Carex multicostata*

14433. *Carex fronto*

14434. *Carex abrupta*

14435. *Carex ~~rossii~~ fechtbaueri* (Bartsch.)

14436. *Luzula pumiflora*

Aug. 9, 1938.

Convict Lake, Mono Co.

14437. *Aquilegia truncata*.

14438. *Castilleja*

14439. *Phacelia*

14440. *Rosa pubescens*

14441. *Aleuinaea Sonnei*.

14442. *Astragalus Motoni*.

Pine flat between Mammoth  
and Minaret Summit, Mono Co.,

14443. *Luzula divaricata*

14444. *Lupinus myoensis* var.  
*eriosyphus*.

14445. *Arabis rectissima*.

Aug. 9, 1938.

14446. *Erysimum*

14447. *Erigeron dedeckerae*

14448. *Erigeron incanum*

14449. *Poa nervosa*.

14450. *Arabis Howellii?*

14451. *Pentstemon*

14452. *Phacelia* 3000

~~downy~~

14453. *Carex speciosa*

14454. *Carex Prestii*

14455. *Carex Prestii*

Aug. 9, 1938.

Devil's Postpile, Madera Co.

14456. *Carex integrifolia*

14457. *Carex frigida*

14458. *Eriogonum deductum*

14459. *Castilleja disticha*

14460. *Chaenactis nevadensis*

14461. *Phacelia* (possibly *hirsutissima*)

Aug. 10, 1938.

Between Devil's Postpile and  
Minaret Summit, Madera Co.

14462. *Arabis perennans*

14463. *Agoseris alpestris*

14464. *Arabis rectissima*

Aug. 10, 1938.

14465. *Stephanomeria tenuifolia*

14466. *Arabis repanda*.

14467. *Chaenactis longissima*

14468. *Carex nevirova*

14469. *Arabis platysperma*.

14470. *Monodelphis pallida*.

14471. *Geranium Richardsonii*

14472. *Lilium nevadense* var.  
fraserense.

14473. *Stephanthus lotus*

14474. *Castilleja Breweri*.

14475. *Engelmannia umbellatum* var.

Aug. 10, 1938.

Between Devil's Postpile and  
Minaret Summit, Modoc Co.

14476. *Hieracium albiflorum*

14477. *Hieracium gracile* var.  
*detonsum*

14478. *Lupinus procumbens*

14479. *Castilleja linearifolia*

14480. *Phacelia* ~~lanceolata~~ <sup>var.</sup>  
*desupflexa*

14481. *Phacelia* ~~multiloba~~

Minaret Summit, Modo Co.

14482. *Arabis rectissima*

14483. *Carex spectabilis*

14484. *Carex heteroneura*

Aug. 10, 1938.

14485. Carex festucello

14486. Salix Eastwoodiae

14487. Crepis acuminata.

14488. Arabis Beckwithii ?

14489. Castilleja linearifolia

14490. Castilleja Brewerii.

14491. Lomatium nudicaule.

14492. Eriophyllum integrifolium

14493. Rumex parvifolius

14494. Lupinus Culbertsonii

Aug. 10, 1938.

Days Earthquake Fault near  
Mammoth, Mono Co.

14495. *Lupinus rimae* Eastw. ?-sp.

14496. *Lupinus*

5 miles south of Crestview,  
Mono Co.

14497. *Erigonum sparganium*

14498. *Lupinus monensis* Eastw.  
- ! Type!

14499. *Hulsea vestita*

14500. *Astragalus monensis* Benth.  
n. sp. !

14501. *Chrysothamnus vulcanius*.

Crestview, Mono Co.

14502. *Phacelia* ~~lanceolata~~ <sup>lanceolata</sup>  
~~lanceolata~~

Aug. 10, 1938.

Gravel flats n. of Crestview,  
Mono Co.

14503. *Thlaspi Holffii*

14504. *Eruca sativa* ssp. *spurgineum*

7 mi Creek near Gull Lake,  
Mono Co.

14505. *Mentha arvensis*.

14506. *Trichostema oblongum*

Leeving Canyon, Mono Co.

14507. *Eruca sativa* ssp. *Breweri*.

14508. *Phacelia* ssp. *spicata*  
Stems very numerous, decumbent.

14509. *Mentzelia congesta*.

14510. *Eruca sativa* ssp. *Wrightii* ssp.  
*trachycarpum*.

14511. *Phacelia* ssp. *spicata* 121

Leaving Canyon, Mono Co.

Aug. 10, 1938.

14512. *Phacelia heterophylla* Steyermark  
~~viscosa~~

14513. *Aster leucanthemifolius*

Mt. Dana meadows, Inyo Co.

Aug. 11, 1938.

14514. *Castilleja Culbertsonii*

14515. *Senecio paniculatus* var.

Mt. Dana, 10500 ft., Inyo Co.

14516. *Castilleja Brewerii*.

14517. *Castilleja Brewerii*.

14518. *Castilleja Brewerii*

Like preceding but flowers shorter.

All these *Castillejas* grew together  
but seemed to represent different strains.

Aug. 11, 1938.

14519. *Comx subspicata* N. Sp.

14520. *Comx filifolia*

14521. *Comx vernacula*

14522. *Lupinus procumbens*.

14523. *Castilleja miniata*

mt. Diana, 10800 ft., Douglas Co.

14524. *Phacelia*

*divaricata*

14525. *Cirsium*

14526. *Arenaria Nuttallii*

14527. *Valeriana californica*

14528. *Ranunculus oxygynus*

Aug. 11, 1938.

Mt. Dana, 11000 ft., Tuolumne Co.  
14529. *Phlox caespitosa*.

14530. *Lupinus danae*

14531. *Leptodecylion pungens*.

14532. *Senecio Minii*

14533. *Yucca megalocephala*

14534. *Carex heteroneura* Helleri.

14535. *Carex spectabilis*

14536. *Adonis Lemmonii*

Det. Hitchcock

mt. Dana, 12000 ft., Tuolumne Co.

14537. *Eriogonum pygmaeum*.

14538. *Castilleja nana*

Aug. 11, 1938.

14539. *Lupinus danaeus bicolor*, var.  
At this elevation all the flowers  
are deep blue.

14540. *Kentrophyta tegularia*

14541. *Crabis Lemmonii*.

14542. *Podistera nevadensis* (Gray) Wats  
Mt. Dana, 12500 ft., Inyo Co.

14543. *Draba Lemmonii*  
Int. Minaret.

14544. *Tulipa algida*

14545. *Androsace septentrioalis*  
var. *subumbellata*.

14546. *Corrys danaensis* n. sp. !!!

14547. *Polenovia eximium*  
Only flowering plant seen on summit.

Aug. 12, 1938.

Indurine Meadows, Indurine Co.

14548. Carex Raynoldiae

14549. Carex scopulorum

14550. Carex longosibir

14551. Carex vesicaria

14552. Carex atrostachya

14553. Carex spectabilis

14554. Carex gymnoclada

14555. Carex fracta

14556. Carex teneraeformis

14557. Carex brevipes

Aug. 12, 1938.

14558. *Corex multicosata*

14559. *Corex Preslii*

14560. *Raillardella scapoosa*.

14561. *Senecio Covillei*

14562. *Lupinus sellulus*

14563. *Solidago elongata*.

14564. *Lupinus Covillei*

14565. *Polygonum Honglasii*

14566. *Pyrocoma apnioides*

Wet ground at Soda Springs.

Topotype!

Mariposa Co.  
Tenaya Canyon above the Lake,

14567. *Corex mariposana*

Aug. 13, 1938.

1. Lake Tenaya, Mariposa Co.  
14578. *Potentilla flabellifolia*  
var. *grayi*.  
14579. *Juniperus nevadensis*

Snow Flat, Mariposa Co.

14570. *Luzula sudetica*  
14571. *Scirpus cuniger*

14572. *Scirpus Clementis*

14573. *Scirpus Congdonii*

14574. *Luzula parviflora*

14575. *Carex multicostata*

14576. *Carex subfruosa*

14577. *Carex illota*

Aug. 13, 1938.

14578. *Carex gymnoclada*

14579. *Carex fissinervis*

Porcupine Flat, Mariposa Co.

14580. *Carex fracta*

14581. *Carex breweri*

Aspen Valley, Tuolumne Co.

14582. *Luzula multiflora* var.  
*comosa*

14583. *Phouelia mitabilis*

14584. *Lupinus Andersonii*

2 miles west of Aspen Valley, Tuolumne Co.

14585. *Carex Sartorielliana*

14586. *Carex amplifolia*

14587. *Lupinus longipes*.

14588. *Navarretia viscidula*  
Dry slope at Lake Lagunitas  
(Lam.), Marin Co. Aug. 21, 1938.

Suisun Marshes near Suisun,  
Solano Co. Aug. 28, 1938.

14589. *Eryngium Hartwegii*  
Border of tidal slough where  
base of plants are submerged  
at high tide.

14590. *Cirsium hydrophilum*  
Flower light lavender rose.

14591. *Psoralea macrostachya*

14592. *Lathyrus Jepsonii*

14593. *Lycopus lucidus*.

14594. *Convolvulus Sepium*

14595. *Scirpus pacificus*

14596. *Arctostaphylos Manzanita*

Decorations for Miss Eastwood's  
80<sup>th</sup> birthday party, collected on the  
Booth ranch, Knights Valley,  
Sonoma Co. Jan. 15, 1939.

14597. *Garrya Fremontii*

Near summit of Wooden Valley  
grade above Napa, Napa Co.  
Feb. 5, 1939.

14598. *Salix Coulteri* Ands.

Near the head of upper Cascades  
Colored Creek, Mt. Tamalpais,  
Marin Co. Mar. 26, 1939.

Apr. 23, 1939.

Blythehole Canyon, Mill Valley,  
Marin Co.

14599. *Zestuca* — *Vulpia dentata*  
var. *gracilis*

14600. *Bromus carinatus*

14601. *Lewisia annua*

14602. *Eriophyllum lanatum*  
var. *macrorhizon*

14603. *Stachys*

14604. *Phacelia* ?

14605. *Gilia*

14606. *Solanum*

14607. *Oxalis pilosa*

14608. *Spargularia marina* ?

Apr. 23, 1939.

Corte Madera Ridge, Mt. Tamalpais,  
Marin Co.

14609. *Lotus juncea*

14610. *Poa howellii*

14611. *Festuca distans*

14612. *Histeria californica*

14613. *Sonicula tuberosa*

14614. *Montia perfoliata*

14615. *Montia spilophylla*

Summit East Peak, Mt. Tamalpais

14616. *Lotus stigiosus*

upper part of Shuckwater Trail,  
Mt. Tomalpais. Apr. 23, 1939.

14617. *Festuca dentata*

14618. *Montia spathulata*

Cascade Canyon, Marin Co.

Apr. 23, 1939.

14619. *Nemophila*

14620. *Nemophila*

St. Ignatius Church, San Francisco

Apr. 25, 1939.

14621. *Oxalis corniculata* + var.  
*alpurpurea*.

Apr. 30, 1939.

Pope Creek Canyon near Weller  
Springs, Napa Co.

14622. *Delphinium hesperium* ?

14623. *Castilleja microstachys*

14624. *Castilleja Eastwoodae*

14625. *Astragalus Clarianus*

14626. *Navarretia ciliolifolia*

Fls. pale creamy-yellow.

14627. *Iris longisiphon*

14628. *Lathyrus Bolanderi*

14629. *Lowthia canifolium*  
var. *purpureum*

14630. *Sisyrinchium bellum*

Apr. 30, 1939.

Pope Creek Canyon near Weller  
Springs, Napa Co.

14631. *Lagophylla dictyoma*

14632. *Melica longiglaua*

14633. *Ceanothus Jepsonii*

14634. *Phacelia* - ~~white~~  
Corolla tubular - cylindrical  
in anthesis, white.

Between Pope Valley and  
Chiles Valley Store, Napa Co.

14635. *Lupinus formosus*

golden Gate Park, 25<sup>th</sup> Ave. entrance.

May 4, 1939.

14636. *Candanus*

Sausalito, Marin Co. - May 7, 1939

14637. *Vicia* ~~angustifolia~~

14638. *Beta vulgaris*

14639. *Spargularia marina*

North end of Tiburon on Redwood Highway, Marin Co. May 7, 1939.

14640. *Lupinus densiflorus*

Nearly white tinged with rose,  
some individuals more or less yellow  
+ passing into the following.

14641. *Lupinus densiflorus* Mungo

Petals yellow, usually fading  
orange or reddish.

115 May 7, 1939.

Serpentine hill just north of  
Middleton, Lake Co.

14642. *Locotomum*

Serpentine hill near Patch Creek  
bridge north of Middleton,  
Lake Co.

14643. *Ceanothus*

2½ miles east of Lower Lake on  
road to Knoxville, Lake Co.

14644. *Lupinus*

8½ miles east of Lower Lake on  
road to Knoxville, Lake Co.

14645. *Cercocarpus*

Reiff P. O., Lake Co.

14646. *Lupinus latifolius*

14647. *Cirsium*  
fls. white.

May 7, 1939.

In Lake Co. near Napa Co. line  
on road from Lower Lake to Knoxville  
14648. *Viola*

Showing range of pubescence on  
plants at one place.

14649. *Zygadenus*

14650. *Cupressus*

14651. *Calochortus*

(On Lower Lake - Knoxville road at  
Lake Co. line, Napa Co.

14652. *Garrya*

14653. *Fremontia napensis*

$3\frac{1}{2}$  miles from Knoxville on Lower  
Lake Rd., Lake Co.

14654. *Comus*

Near cemetery just east of Napa,  
Napa Co. May 7, 1939.

14655. *Selaginella*

14656. *Sedella*

*Lewisia rediviva* grows on the  
same rocky spurs.

Rosie, Marin Co. May 14, 1939.

14657. *Lathyrus Bolanderi*

14658. *Melica Torreyana*

14659. *Trientalis europaea*.

14660. *Agoseris heterophylla*

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Phoenix Lake, Marin Co.

14661. *Agrostis capilla*

14661A. *Lathyrus Torreyi*

14662. *Stipa capillata*

Between Phoenix Lake + Lake  
Lagunitas, Marin Co. May 14, 1939.

14663. *Uropappus* ~~hirsutus~~

14664. *Polystichum Dudleyi*  
New for Marin!

14665. *Festuca*

14666. *Melica* *Harfordii*

14667. *Festuca*

14668. *Plagiotaxis*

14669. *Grindelia* *bimaculata* *brevipappus*  
Rays 27 in 2 heads.

Lake Lagunitas near dam.

14670. *Deschampsia* *danthoides*

14671. *Minuartia* *Douglasii*

14672. *Plantago* *truncata* *firma*

May 14, 1939.

Lower end of Berry Trail near Lake  
Lagunitas, Marin Co.

14673. *Convolvulus*

Berry Trail between Lake Lagunitas  
Pfeiffer Canyon  
and Collier Spring, Marin Co.

14674. *Poa Howellii*

14675. *Festuca*

14676. *Camassia angustiflora*

14677. *Lithophragma heterophyllum*  
Purple-red bulbils in leaf-axils.

Serpentine <sup>west</sup> east of Collier Spring  
on North Side Trail, Mt. Tamalpais,  
Marin Co.

14678. *Melica longiflora*

14679. *Convolvulus*

May 14, 1939.

14680. *Calochortus purpureus*.

14681. *Streptanthus batrachopus*

J. L. Morrison

Topotype! The tiny ~~glaucous~~  
plants almost invisible against  
the gray-green serpentine gravel  
in which they grow.

Near West Peak on n. side of Mt.  
Tamolpais, Marin Co.

14682. *Festuca Eastwoodii*

14683. *Festuca pacifica*

Nora Trail below West Point, Mt.  
Tamolpais, Marin Co.

14684. *Marah*

Fruit 5-seeded, attenuate into  
pedicel and long-beaked. In  
canyon with redwood, aralia, etc.

azalea flat, Mt. Tamalpais,  
Marin Co. May 14, 1939.

14685. *Eleocharis rostellata*

Cascade Canyon, Marin Co. May 14.  
14686. Marsh

Mill Valley, Marin Co. May 14-39  
14687. *Brassica geminata*

West side of Tiburon, Marin Co.  
May 21, 1939.  
14688. *Lupinus formosus*

14689. *Monandilla*

14690. *Lupinus formosus*

14691. *Brassica nigra*

All parts smooth + glabrous.

14691A. *Lathyrus latifolius*  
common at Tiburon.

May 21, 1939.

Tiburon, Marin Co.

14692. *Agoseris biennis*

14692A. *Hedleya capitosaa*

14693. *Festuca rubra*

14694. *Melica Torreyana*

14695. *Calochortus purpureus*

14696. *Cuscuta*

14697. *Grindelia paniculata* ~~Forrestiana~~

On shale near Shelter Cove.

Reps 35, 32, 31.

14698. *Phacelia*

14699. *Ribes menziesii leptophyllum*

14699A. *Plectritis*

14700. *Manihot* - ?

Woods ab shelter Cove.

May 21, 1939.

East side of Tiburon, Marin Co.

14701. Monah

14702. *Lomatium nudicaule*

14703. *Lupinus formosus*

14704. *Castilleja Wrightii umbra*

14705. *Oxalis pilosa*

14706. *Rumex crispus* ??

Sausalito, Marin Co.

14707. *Phacelia*

Crooks truly campanulate

14708. *Lupinus microcarpus*

June 4, 1939.

Lagunitas, Marin Co.

14709. *Neurolepis*

Inverness Ridge or road to

Pt. Reyes, Marin Co.

14710. *Ceanothus*

Sprawling bush 1-2 ft. tall.

Rocky or sandy slopes near

Pt. Reyes lighthouse, Marin Co.

14711. *Lotus juncea*

14712. *Sagina procumbens*

14713. *Grindelia paniculata*

Ray 33, 32.

14714. *Godetia amoena*

Stems low & spreading; buds erect

14715. *Bromus maritimus*

14716. *Chrysanthemum villosa*

June 4, 1939.

New lighthouse, Pt. Reyes,  
Marin Co.

14717. *Sedum spathulifolium*  
Hiffling from island form in  
shorter thicker leaves, almost  
pinnae covering ad congested cyme  
of smaller flowers.

14718. *Cirsium quercetorum*

Plants perennial from rootstocks,  
decumbent or very short - culm erect;  
corolla white; others white or pale  
lavender.

14719. *Cirsium Andrewsii*

Plants from top - root, - biennial,  
2-3 ft. tall, broadly much-  
branched. Corolla rosy - purple,  
anther - tube lavender.

June 4, 1939.

The two preceding grew together and with them were hybrids of two sorts - one resembling the first, the other resembling the second:

14720. *Cissum*

Probably a hybrid (or albino?) resembling No. 14719. Erect biennial 2-3 ft. tall; corolla white, tube lavender.

14721. *Cissum Andrewsii* x *guttatum*

Obviously a hybrid between 14719 and 14719. - Plants seemingly from rootstocks (several stems from ground about central point and several such clusters about a foot or two apart). Plants 1-1 1/2 ft. high with widely spreading branches. Corolla white, tube lavender.

June 4, 1939.

Streams & swales near radio station, Pt. Reyes Peninsula, Marin Co. - Near "Pt. Reyes P. O." of U. S. G. S. maps.

14722. *Carex lansquosa*

14723. *Stellaria borealis*

var. *B. neogaea*

14724. *Sidalcea rhizomatosa*

Very robust. Petals pinkish

14725. *Viola adunca*

14726. *Scoulerella paludosa*

14727. *Chrysanthemum villosa*

14728. *Lupinus grandifolius*

Banner sharply reflexed at the outer margin somewhat rolled producing a beak, the middle

June 4, 1939.

part rosy-veined, the lower part  
lavender-blue-veined; wings  
purple-blue-veined, the whole purplish-  
blue (lighter between veins); keel  
white or lavender-tinged on lower half,  
purple-block at tip. The middle  
part of banner early turning to  
coffee-brown, the wings becoming  
brownish-tinged.

*Chamissonii.*

14729. *Lupinus Lagostae* Eschwe.

Broad spreading plants much  
broader than tall, to 1½ ft. tall;  
lower stems woody, shrubby.

Margins of banner + wings lavender-  
blue, middle of banner whitish,  
keel lavender except purple tip.

June 4, 1939.

On the dunes & downs of Pt. Reyes Pen-  
insula near the radio station  
is a remarkable assortment of  
low & bushy perennial lupines  
which seem to have originated through  
hybridization. Habit varies from  
prostrate to erect shrubby, pubescence  
varies from appressed-serrous to  
long-willows, color of flower varies  
from white to yellow and blue and  
various combinations. Lupinus  
longae is one of this aggregation  
and the following are samples of  
the variations displayed:

14730. Lupinus arboreus

Bush 2-3 ft. tall & as broad or  
twice as broad. Flowers clear  
canary-yellow.

June 4, 1939.

14731. *Lupinus arboreus*

Similar to No. 14730 but stems  
appressed - present.

14732. *Lupinus arboreus*

Fls (both calyx + corolla) pale  
yellowish - white. Flowers when  
first open: banner yellowish - white  
with faint tint of lavender at base,  
wings same but upper part veined  
lavender - blue near claws + with  
blue blotch at upper distal end;  
the keel similar except purple -  
black tip. Later flowers: banner  
violet or pale purple, the wings  
a similar but decidedly paler  
hue, the keel unchanged. The  
whole fades to a pale buff.

June 4, 1939.

With preceding.

14733. *Lupinus Michauxii*

Stems subprostrate. Buds pale  
greenish-yellow except exposed  
blue part of keel. Banner at first  
creamy-yellow, usually fading  
candid-yellow, rarely (as in one  
flower) purplish. Wings lavender,  
the color more intense at the  
distal end. Keel pale yellowish-  
white except black-purple tip.

14734. *Lupinus Michauxii*

Stems subprostrate. Pubescence  
spreading. Banner yellowish or  
decidedly tinged with lavender.  
Wings & keel as in preceding.

14735. *Lupinus rivularis*

Stems erect or strongly ascending.  
Flowers similar in color to the

June 4, 1939.

Two preceding but colors more  
intense & darker. Flowers larger.

14736. *Lupinus Micheneri*

Stems prostrate. Banner very  
pale yellowish, especially in the  
middle, the margin tinged with  
lavender and at base deeper  
mauve-lavender. Wings deep purple-  
blue. Keel light, whitish, veined  
dark, the tip bluish-purple.  
- N. B. Miss Eastwood said this was  
near L. littoralis.

14737. *Lupinus Micheneri*

Similar to preceding and showing  
persistent petioles but not a  
little lower. Flowers paler, the  
banner at first yellow becoming  
purple; wings pale lavender  
at base, deep lavender distally.

June 4, 1939.

becoming deeper throughout; keel white with black-purple tip.

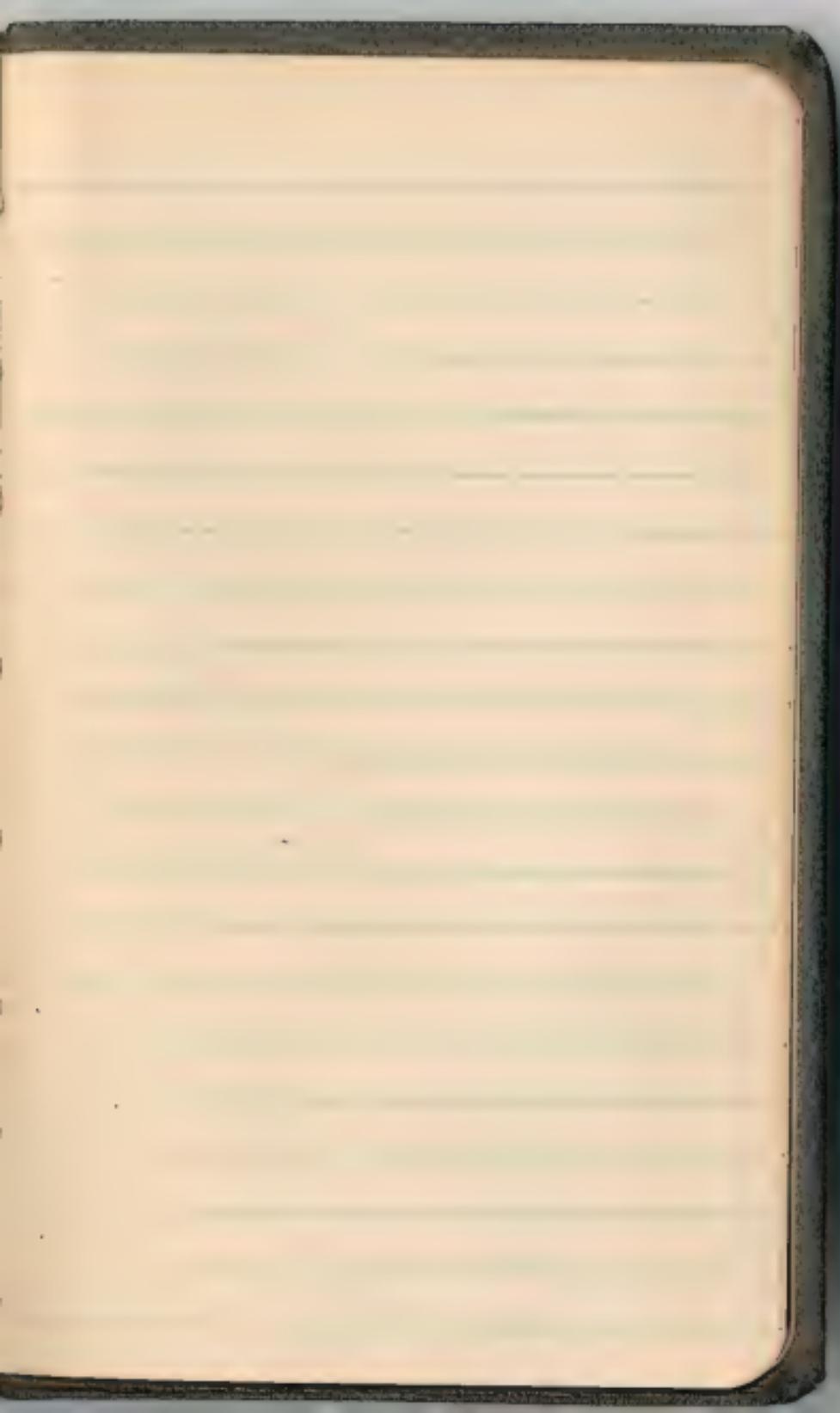
14738. *Lupinus arboreus*

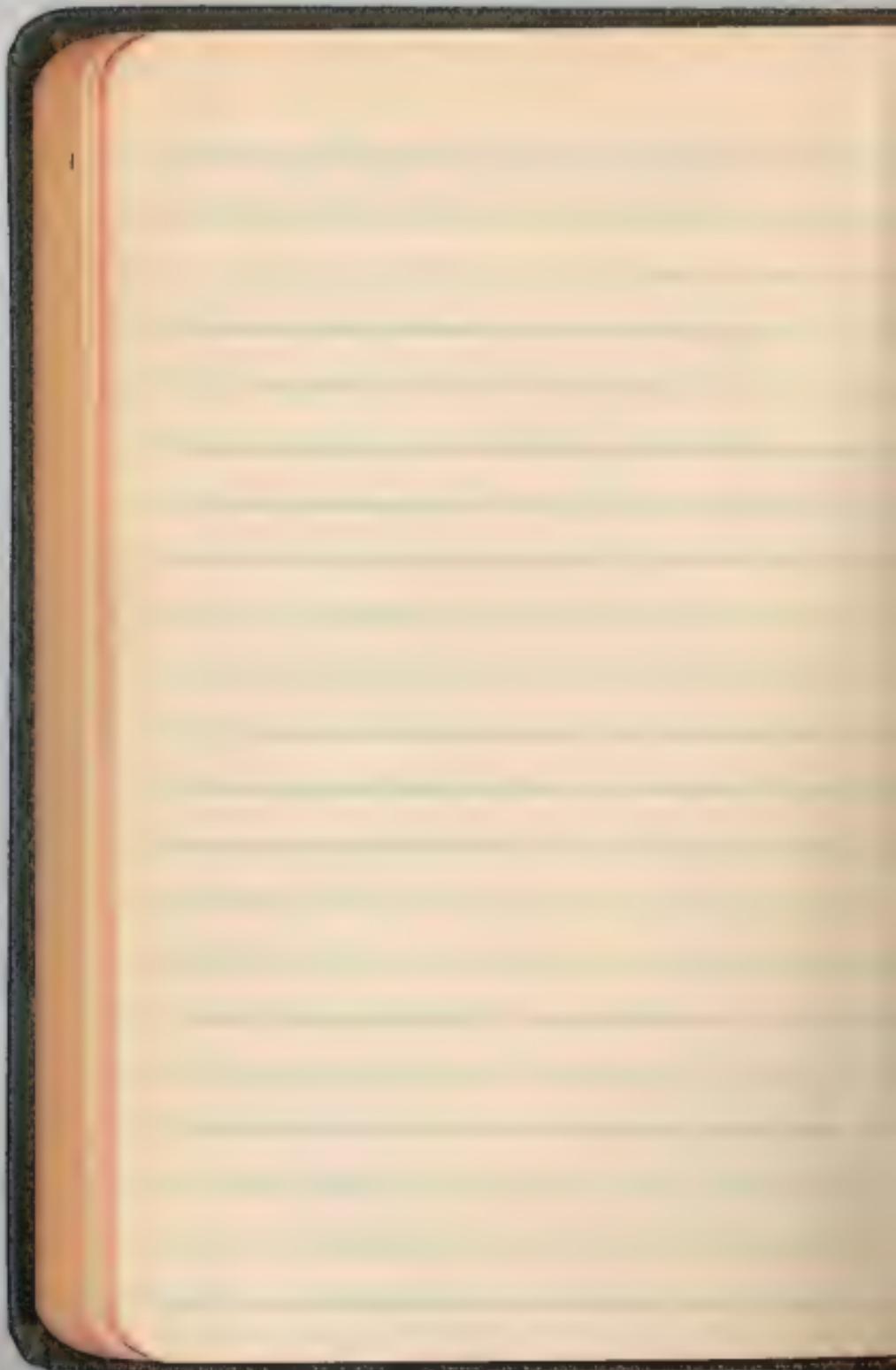
Bush 3 ft. tall & about as broad. Banner at first pale, whitish tinged with yellow, blue at very base. Wings prominently veined with bluish-lavender or a more even lighter lavender, deeper tinged distally. Keel white, black-purple tipped. Banner becoming light violet, deeper than wings.

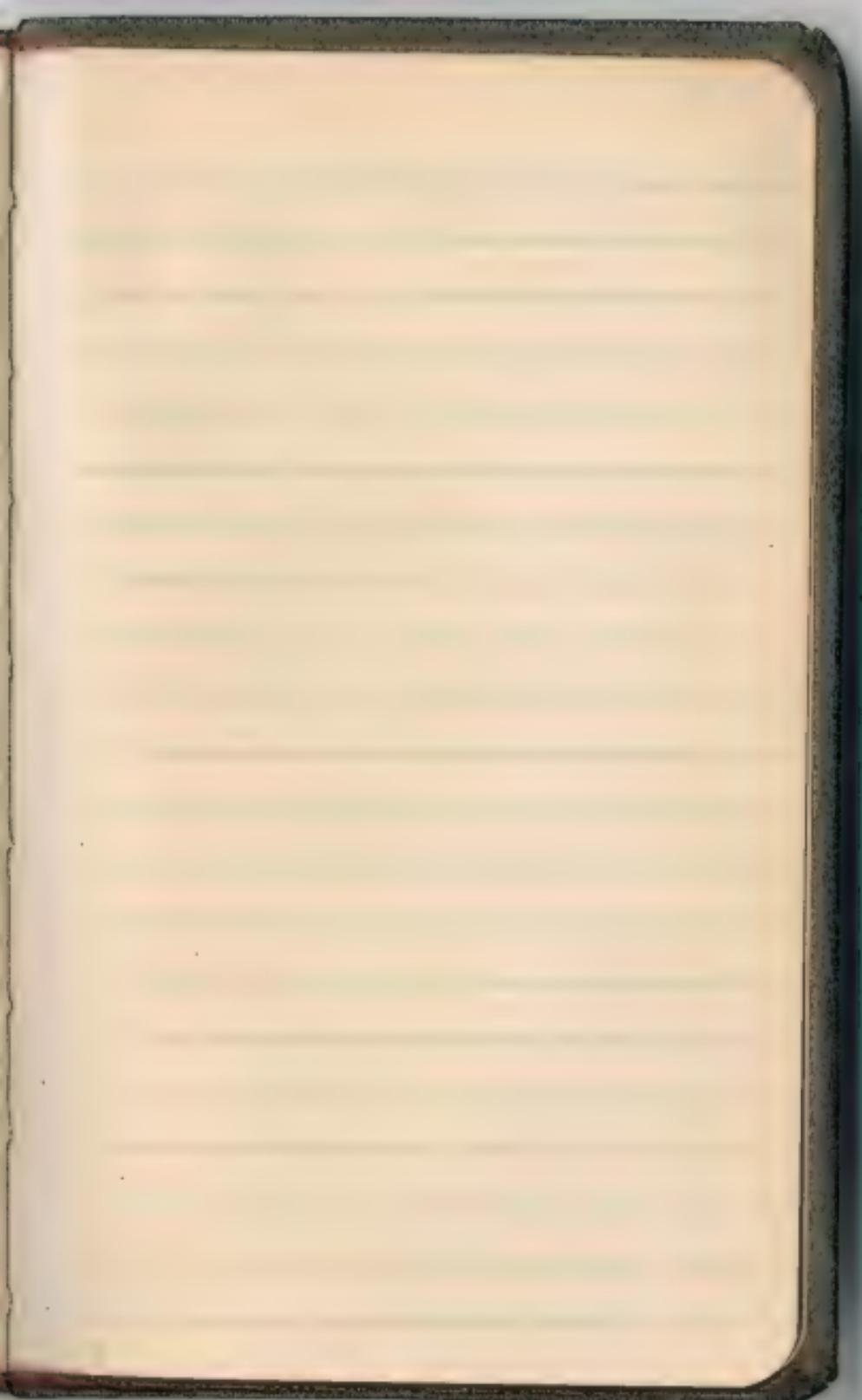
See also Eastwood + Howell collected.

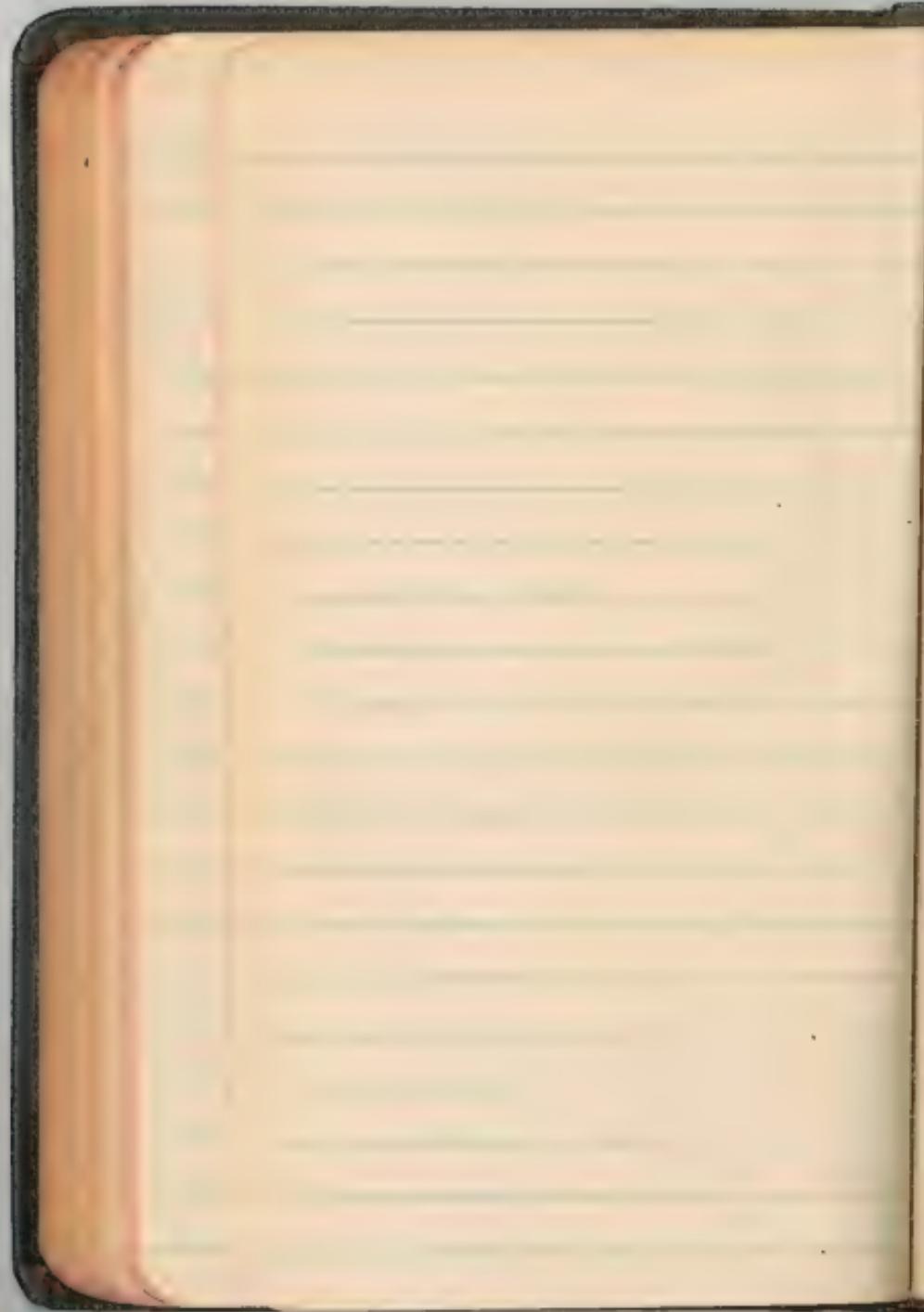
May 28 at the point: No. 7385 +  
7392.

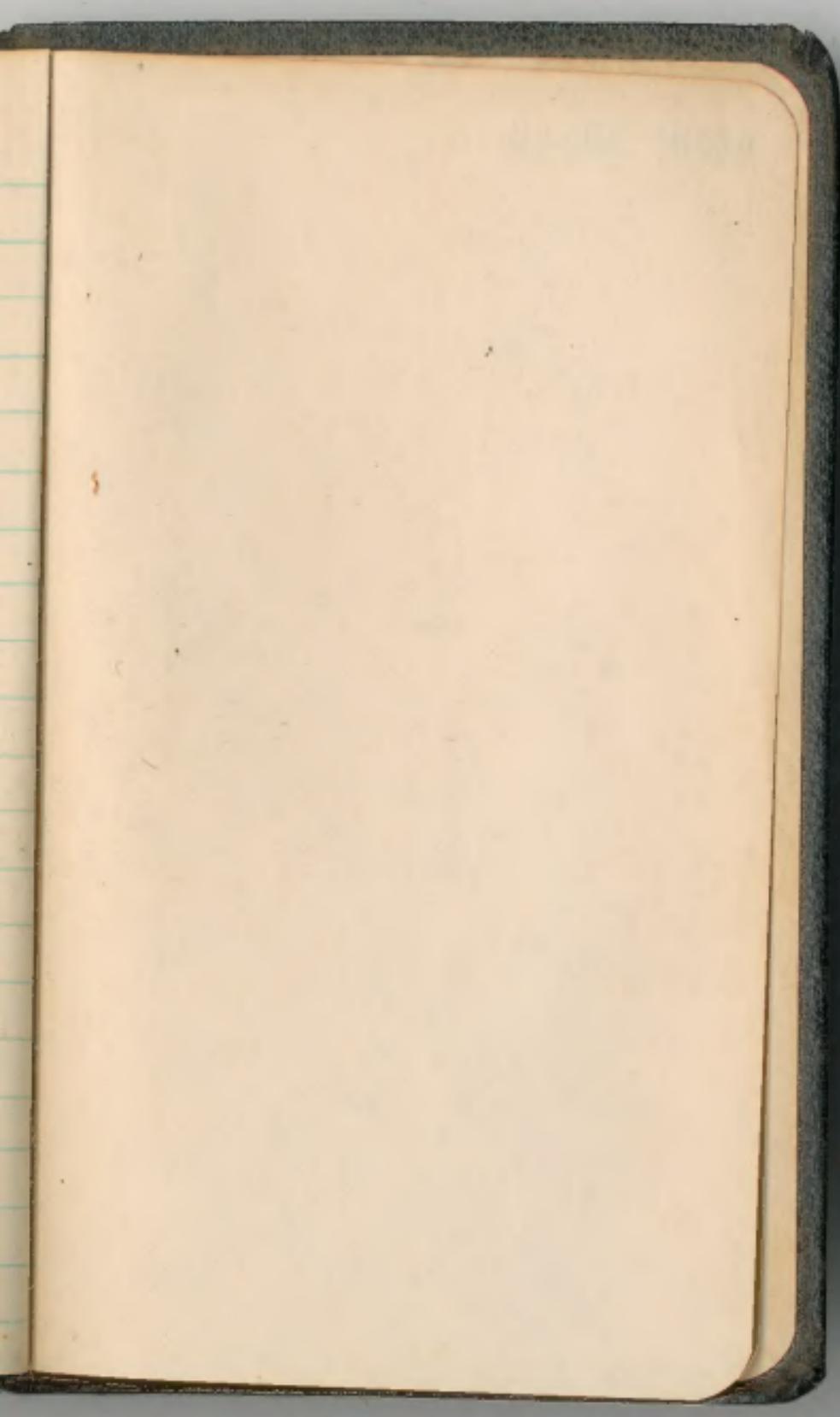
Like L. variicolor  
A prostrate or subprostrate lupine, a common along road, was not collected.  
True L. rivularis not seen on the peninsula, but occurs on road to Llanura.











B&PNº 3810½

